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IS 11978 (1987): Waterproof Delivery Bag for Postman [TXD  
20: Made-up Textiles]



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*Indian Standard*

SPECIFICATION FOR  
WATERPROOF DELIVERY BAG  
FOR POSTMAN

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BUREAU OF INDIAN STANDARDS  
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG  
NEW DELHI 110002

# *Indian Standard*

## SPECIFICATION FOR WATERPROOF DELIVERY BAG FOR POSTMAN

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# *Indian Standard*

## SPECIFICATION FOR WATERPROOF DELIVERY BAG FOR POSTMAN

### 0. FOREWORD

**0.1** This Indian Standard was adopted by the Indian Standards Institution on 27 February 1987, after the draft finalized by the Made-up Textile Items Sectional Committee had been approved by the Textile Division Council.

**0.2** This standard is based on Drawing No. 23800 for 'Waterproof delivery bag for postman', issued by the Directorate General of Supplies & Disposals, Government of India.

**0.3** For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS : 2-1960\*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

### 1. SCOPE

**1.1** This standard prescribes constructional details and other particulars of waterproof delivery bag for postman.

### 2. MANUFACTURE

**2.1** The bags shall be manufactured from special proofed cotton duck conforming to IS : 6803-1972†. However, in place of Bundesmann test, water repellency test shall be carried out according to IS : 390-1975‡; and the minimum rating shall be 80.

**2.1.1** The basic duck cloth shall be of 610 g/m<sup>2</sup> conforming to variety No. 2 of IS : 1422-1983§.

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\*Rules for rounding off numerical values ( *revised* ).

†Specification for special proofed canvas and duck.

‡Method for determining the water repellency of fabrics by waterspray test ( *first revision* ).

§Specification for cotton duck ( *third revision* ).

**2.1.2** The slings and loops shall be made from webbing of 51 mm and 38 mm, respectively as indicated in Fig. 1, and conforming to IS : 6488-1979\*.

**2.2 Sliding Buckle and Link** — Having dimensions as given in Fig. 1 shall be made of brass.

**2.3** Spring loaded self locking type lock as agreed to between the buyer and the seller ( *see 3.2* ) shall be provided.

**2.4** Vegetable tanned chrome leather of 2 mm thickness and finish as agreed to between the buyer and the seller ( *see 3.2* ) shall be used.

**2.5 Binding Fabric** — Vinyl coated fabric, as agreed to between the buyer and the seller, shall be used ( *see 3.2* ) for binding the edges of fabric.

**2.6 Stitching** — The bag shall be stitched as shown in Fig. 1 and 2.

**2.7 Threads** — The sewing threads used for stitching shall conform to variety No. 28 [ 36s/6 ( 165 tex  $\times$  6 ) ] of IS : 1720-1978†. The number of stitches per decimetre shall be between 25 to 32. The colour fastness of sewing thread should be same as that of the basic material.

NOTE — Three ply flax or suitable synthetic material threads may also be used provided it is not inferior than that of cotton thread recommended.

**2.8 Freedom from Defects** — The bags should be free from sewing and other fabrication and basic fabric defects.

### 3. REQUIREMENTS

**3.1** The general make up, dimensions and other related details of the bag shall be as shown in Fig. 1 and 2.

**3.2** If in order to illustrate or specify the indeterminable characteristics, such as workmanship, general appearance, lustre, feel and shade of the bag, a sample has been agreed upon and sealed, the supply shall be in conformity with the sample in such respects.

**3.2.1** The custody of the sealed sample shall be a matter of prior agreement between the buyer and the seller.

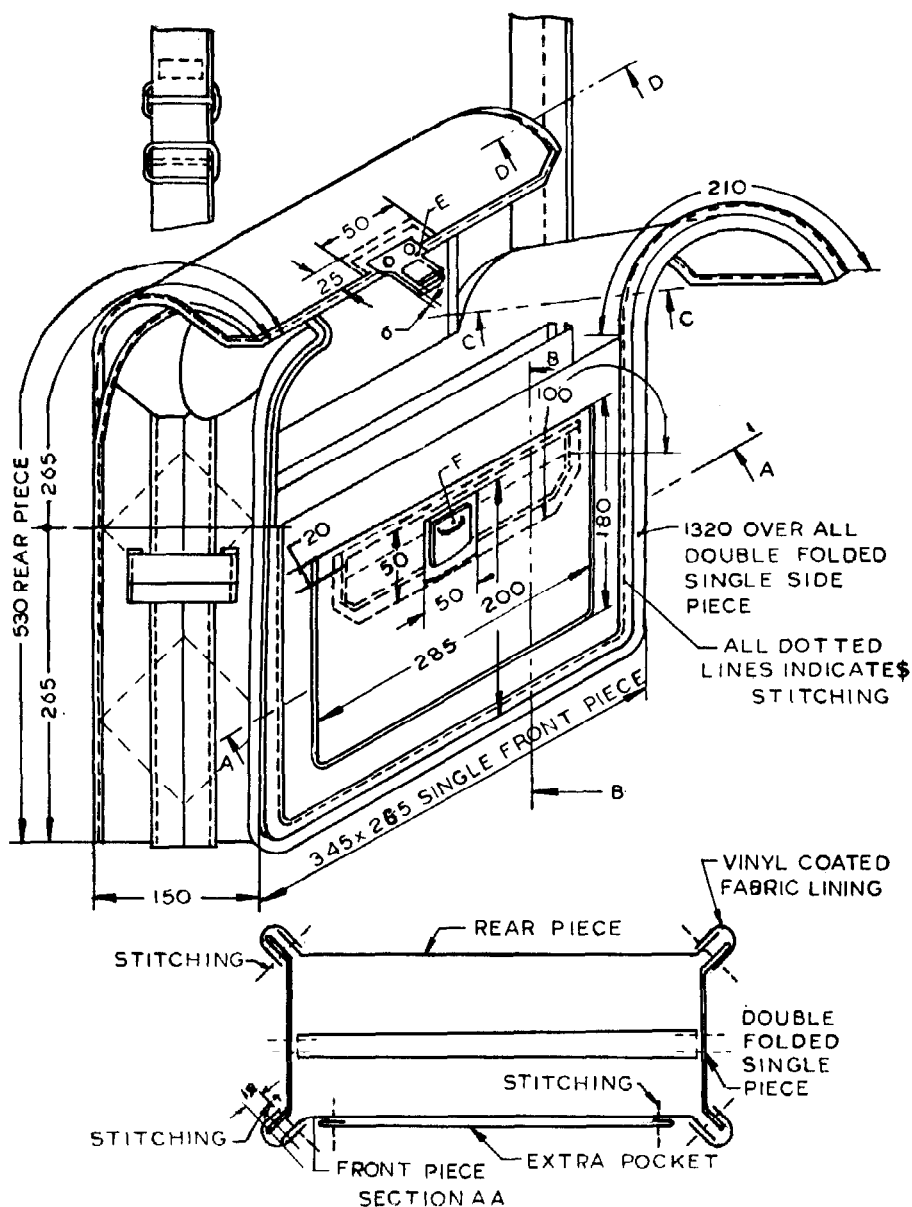
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\*Specification for cotton webbing for personal web equipment ( *first revision* ).

†Specification for cotton sewing threads.







All dimensions in millimetres.

FIG. 2 DETAILS OF WATERPROOF DELIVERY BAG FOR POSTMAN

**3.3** The basic cloth shall be fast to light, washing and rubbing. The fastness ratings shall be as follows, when tested by the methods given against each:

<i>Fastness to</i>	<i>Rating</i>	<i>Method</i>
a) Light	4 or better	IS : 2454-1967* or IS : 686-1957†
b) Washing: Test 1	4 or better	IS : 687-1979‡
c) Rubbing	3 or better	IS : 766-1956§

## 4. PACKING AND MARKING

**4.1** The bags shall be packed as agreed to between the buyer and the seller.

**4.2 Marking on the Bag** — The marking on the bags shall be as required by the Postal Department. Each bag shall also be marked, on the inner side, using indelible ink, with the manufacturer's name or trade-mark, together with the year of manufacture.

**4.2.1** Each bag may also be marked with the Standard Mark.

**NOTE** — The use of the Standard Mark is governed by the provisions of the Bureau of Indian Standards Act, 1986 and the Rules and Regulations made thereunder. The Standard Mark on products covered by an Indian Standard conveys the assurance that they have been produced to comply with the requirements of that standard under a well-defined system of inspection, testing and quality control which is devised and supervised by BIS and operated by the producer. Standard marked products are also continuously checked by BIS for conformity to that standard as a further safeguard. Details of conditions, under which a licence for the use of the Standard Mark may be granted to manufacturers or processors, may be obtained from the Bureau of Indian Standards.

## 5. SAMPLING

**5.1 Lot** — The quantity of bags of same designation and colour delivered to a buyer against a despatch note shall constitute a lot.

**5.2** The conformity of the lot shall be determined on the basis of the tests carried out on the sample selected from it.

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\*Method for determination of colour fastness of textile materials to artificial light (xenon lamp).

†Method for determination of colour fastness of textile materials to daylight.

‡Method for determination of colour fastness of textile materials to washing, Test 1 (second revision).

§Method for determination of colour fastness of textile materials to rubbing.

**5.3** Unless otherwise agreed to between the buyer and the seller, the number of bags to be selected at random from a lot shall be according to col 1 and 2 of Table 1.

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**TABLE 1 SAMPLE SIZE AND PERMISSIBLE NUMBER OF  
NON-CONFORMING BAGS**

LOT SIZE	SAMPLE SIZE	PERMISSIBLE NUMBER OF NON-CONFORMING BAGS
(1)	(2)	(3)
Up to 100	13	1
101 „ 150	20	2
151 „ 300	32	3
301 „ 500	50	5
501 „ 1 000	80	7
1 001 „ 3 000	125	10
3 001 and above	200	14

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**5.4** The number of bags selected according to **5.3** shall be examined for stitching, brass lock and loops, marking, freedom from defects, dimensions and if there is agreed sealed sample it shall be compared with the sample bag as given in **3.2**.

**5.4.1** The number of bags to be examined for colour fastness shall be three for lot size less than 1 000 and five otherwise.

**5.5 Criteria for Conformity** — The lot shall be declared as conforming to the requirements of this specification if the following conditions are satisfied:

- a) The number of bags found not in conformity with the requirements for any one or more of the characteristics mentioned in **5.4** is less than or equal to the corresponding number given in col 3 of Table 1.
- b) All the test specimens tested for colour fastness are found satisfactory.